

Title (en)
NEW CARBOHYDRATE-BASED ANTI-INFLAMMATORY AGENTS

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Application
EP 91916053 A 19910730

Priority
• US 55985690 A 19900730
• US 61311390 A 19901115
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• US 68345891 A 19910411

Abstract (en)
[origin: WO9202527A1] Ligands that bind to endothelial leukocyte adhesion molecule-1 (ELAM-1) are disclosed. These ligands have the formula (I) wherein each of the saccharide rings shown is connected at its 1-position to the next saccharide at its 3-position or 4-position and wherein at least one of A and B is (II) wherein R⁴ is -(CHOH)³H, H, alkyl containing 1 to 6 carbons, CHO, or perfluoroalkyl containing 1 to 6 carbons; R⁵ is H, alkyl containing 1 to 6 carbons, COCH³?, COCH²?OH or COCF³?; R⁶ is H, or an alkyl containing 1 to 6 carbons; each D is independently H, or a galactosyl or fucosyl residue, wherein at least one D is an \$g(a)-fucosyl connected to the 3-position or 4-position of the sugar to which it is bound; each R³ is independently selected from the group consisting of OH and NAc; n is an integer of from 0 to 10; and each X is selected from the group consisting of O, S, and NR⁶ or the X in the sugar at the reducing terminus may represent the corresponding dialcohol at C-1 and C-5.

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CPC (source: EP US)
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Citation (search report)
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• [PX] M. TIEMEYER ET AL.: "Carbohydrate ligands for endothelial-leukocyte adhesion molecule 1.", PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, vol. 88, WASHINGTON US, pages 1138 - 1142, XP000562666, DOI: doi:10.1073/pnas.88.4.1138
• See references of WO 9202527A1

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